SEQUENCE LISTING

<110> Yu, De-Chao
Li, Yuanhao
Henderson, Daniel R.

<120> CELL-SPECIFIC ADENOVIRUS VECTORS
COMPRISING AN INTERNAL RIBOSOME ENTRY SITE

<130> 348022001700

<140> 09/814,351
<141> 2001-03-21

<150> 60/192,156
<151> 2000-03-24

<160> 35

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 519
<212> DNA
<213> Artificial Sequence

<220>
<223> IRES from encephelomycarditis virus (EMCV)

<400> 1
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aaggggctga aggatgccca gaaggtaccc cattgtatgg gatctgatct ggggcctcgg 420
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gggacgtggt tttcctttga aaaacacgat gtcgacgtc 519

<210> 2
<211> 188
<212> DNA
<213> Artificial Sequence

<220>
<223> IRES from vascular endothelial growth factor
(VEGF)

<400> 2
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ctcggttcca gaagggagag gagcccgcca aggcgcgcaa gagagcgggc tgcctcgcag 120
tccgagccgg agagggagcg cgagccgcgc cggccccgga cggcctccga aaccatggtc 180
gacacgta 188

<210> 3
<211> 341
<212> DNA
<213> Artificial Sequence

<220>
<223> 5' UTR region of HCV

<400> 3
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tcttcacgca gaaagcgtct agccatggcg ttagtatgag tgtcgtgcag cctccaggac 120
ccccccctcc gggagagcca tagtggtctg cggaaccggt gagtacaccg gaattgccag 180
gacgaccggg tcctttcttg gattaacccg ctcaatgcct ggagatttgg gcgtgccccc 240
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gtgcttgcga gtgccccggg aggtctcgta gaccgtgcac c 341

<210> 4
<211> 595
<212> DNA
<213> Artificial Sequence

<220>
<223> 5' UTR region of BiP

<400> 4
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<211> 575
<212> DNA
<213> Artificial Sequence

<220>
<223> 5' UTR of PDGF

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gttttttggg ggagacttgg gccttgaggt gcccagctcc gcgctttccg attttggggg 120
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cggggccccg cggggccggg cccggagtcg gcatg 575

<210> 6

<211> 2240
<212> DNA
<213> Artificial Sequence

<220>
<223> Human uroplakin II 5' flanking region

<400> 6
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<210> 7
<211> 3592
<212> DNA
<213> Artificial Sequence

<220>
<223> Mouse uroplakin II 5' flanking region

<400> 7
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cagcagcccc tcccactccg agacaaaatc agctaccctg gggcaggcct cattggcccc 3540
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<210> 8
<211> 822
<212> DNA
<213> Artificial Sequence

<220>
<223> APF-TRE

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tataccaaca aaaggttact agttaacagg cattgcctga aaagagtata aaagaatttc 780
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<210> 9
<211> 451
<212> DNA
<213> Artificial Sequence

<220>
<223> Probasin-TRE

<400> 9
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tta tat tta cac caa cat cta tct gat tgg agg aat gga taa tag tca 144
tca tgt tta aac atc tac cat tcc agt taa gaa aat atg ata gca tct 192
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tat gcc tga aga atg gga cag gca ttg ggc att gtc cat gcc tag taa 288
agt act cca aga acc tat ttg tat act aga tga cac aat gtc aat gtc 336
tgt gta caa ctg cca act ggg atg caa gac act gcc cat gcc aat cat 384
cct gaa aag cag cta taa aaa gca gga agc tac tct gca cct tgt cag 432
tag gtc cag ata cct aca g 451

<210> 10
<211> 546
<212> DNA
<213> Artificial Sequence

<220>
<223> Tyrosinase-TRE

<400> 10
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<210> 11
<211> 12047
<212> DNA
<213> Artificial Sequence

<220>
<223> Human glandular kallikrein-TRE

<400> 11
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<211> 858
<212> DNA
<213> Artificial Sequence

<220>
<223> Mucin-TRE

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<211> 5224
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<220>
<223> AlphaFP-TRE

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<211> 307
<212> DNA
<213> Artificial Sequence

<220>
<223> Nucleotide sequence for ADP

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aacatctgcc ctaaatttac cccaagttca tgcctttgtc aatgactggg cgagcttgga 120
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ttgcctaaag cgcagacgcg ccagaccccc catctatagg cctatcattg tgctcaaccc 240
acacaatgaa aaaattcata gattggacgg tctgaaacca tgttctcttc ttttacagta 300
tgattaa 307

<210> 18
<211> 101
<212> PRT
<213> Artificial Sequence

<220>
<223> Amino acid sequence for ADP

<400> 18
Met Thr Gly Ser Thr Ile Ala Pro Thr Thr Asp Tyr Arg Asn Thr Thr
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Ala Thr Gly Leu Thr Ser Ala Leu Asn Leu Pro Gln Val His Ala Phe
20 25 30
Val Asn Asp Trp Ala Ser Leu Asp Met Trp Trp Phe Ser Ile Ala Leu
35 40 45
Met Phe Val Cys Leu Ile Ile Met Trp Leu Ile Cys Cys Leu Lys Arg
50 55 60
Arg Arg Ala Arg Pro Pro Ile Tyr Arg Pro Ile Ile Val Leu Asn Pro
65 70 75 80
His Asn Glu Lys Ile His Arg Leu Asp Gly Leu Lys Pro Cys Ser Leu
85 90 95
Leu Leu Gln Tyr Asp
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<210> 19
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR EMCV IRES (PCR primer 96.74.2)

<400> 19
gacgtcgact aattccggtt attttcca 28

<210> 20
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR EMCV IRES (PCR primer 96.74.1)

<400> 20
gacgtcgaca tcgtgttttt caaaggaa 28

<210> 21
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Ad5 sequence to 1314 to 1338 (PCR primer 96.74.3)

<400> 21
cctgagacgc ccgacatcac ctgtg 25

<210> 22
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense of Ad5 sequence 1572 to 1586 (PCR primer 96.74.6)

<400> 22
gtcgaccatt cagcaaacaa aggcgttaac 30

<210> 23
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Ad5 sequence 1714 to 1728 (PCR primer 96.74.4)

<400> 23
tgctgaatgg tcgacatgga ggcttgggag 30

<210> 24
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense of Ad5 sequence 2070 to 2094 (PCR primer 96.74.5)

<400> 24
cacaaaccgc tctccacaga tgcatg 26

<210> 25
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Human UPII (PCR primer 127.2.1)

<400> 25
aggaccggtc actatagggc acgcgtggt 29

<210> 26
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Human UPII (PCR primer 127.2.2)

<400> 26
aggaccggtg ggatgctggg ctgggaggtg g 31

<210> 27
<211> 29

<212> DNA
<213> Artificial Sequence

<220>
<223> PCR primer 100.113.1

<400> 27
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<210> 28
<211> 32
<212> DNA
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<220>
<223> PCR primer 100.113.2

<400> 28
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<210> 29
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<220>
<223> PCR primer 127.50.1

<400> 29
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<210> 30
<211> 24
<212> DNA
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<220>
<223> PCR primer 31.166.1

<400> 30
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<210> 31
<211> 21
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<213> Artificial Sequence

<220>
<223> PCR primer 32.32.1

<400> 31
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<210> 32
<211> 21
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<223> PCR primer 32.32.2

<400> 32
aatcaatcct tagtcctcct g 21

<210> 33
<211> 25
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<220>
<223> PCR primer 51.176

<400> 33
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<210> 34
<211> 27
<212> DNA
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<220>
<223> PCR primer 99.120.1

<400> 34
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<210> 35
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<212> DNA
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<220>
<223> PCR primer 99.120.2

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